

WHAT IS CLAIMED IS:

1. A film-bitumen combination comprising at least three layers wherein said at least three layers comprise at least two film layers made from different materials.

2. The combination according to claim 1, wherein said at least two film layers have different coefficients of thermal expansion.

3. The combination according to claim 1, wherein at least one of said at least two film layers is produced from a polyolefin.

4. The combination according to claim 1, wherein at least one of said at least two film layers is produced from polypropylene.

5. The combination according to claim 1, wherein at least one of said at least two film layers is produced from polyamide.

6. The combination according to claim 1, wherein at least one of said at least two film layers is produced from polyethylene terephthalate (PET).

7. The combination according to claim 6, wherein the PET layer is oriented.

8. The combination according to claim 1, wherein at least one of said at least two film layers is produced from polyacrylonitrile.

9. The combination according to claim 1, wherein said at least two film layers are laminated to a bituminous layer individually or together.

10. The combination according to claim 9, wherein said bituminous layer is coated on said at least two film layers.

11. The combination according to claim 9, wherein at least one film layer facing the bituminous layer provides a mineral oil barrier.

12. The combination according to claim 9, wherein at least one edge of part of said at least two film layers projects beyond the bituminous layer.

13. The combination according to claim 9, wherein at least one edge of part of said at least two film layers is shorter than the bituminous layer.

14. The combination according to claim 13, wherein said at least one edge is on the layers facing away from the bituminous layer.

15. The combination according to claim 9, further comprising a surface of a side of the combination facing away from the bituminous layer that has been treated to have non-slip properties.

16. The combination according to claim 15, wherein the non-slip treatment is carried out by means of coating.

17. The combination according to claim 16, wherein the coating is applied to be shorter than the film layers or the bituminous layer at least along one edge of the combination.

18. The combination according to claim 15, wherein the non-slip treatment is carried out by means of at least partial embossing of said surface.

19. The combination according to claim 18, wherein the embossing is shorter at least along one edge of the combination.

20. The combination according to claim 15, wherein the non-slip treatment is provided by a coextruded syndiotactic polystyrene (SPS) film.

21. The combination according to claim 15, wherein the non-slip treatment is provided by a thermoplastic elastomer with a metallocene complex.

22. The combination according to claim 1, wherein each individual film layer is arranged in the combination in accordance with its thermal stability.

23. The combination according to claim 1, wherein each individual film layer is arranged in the combination according to its mechanical strength.

24. The combination according to claim 1, further comprising a tie layer or an adhesive disposed between two adjacent layers of said at least two film layers.

25. The combination according to claim 1, further comprising a barrier layer against mineral oils, oxygen or UV radiation disposed between two adjacent layers of said at least two film layers.

26. The combination according to claim 25, wherein said barrier layer comprises a layer of lacquer.

27. The combination according to claim 9, wherein said at least two film layers comprise a first film layer and a second film layer, said first film layer being located further away from said bituminous layer and having a larger coefficient of elongation than said second film layer.

28. The combination according to claim 9, wherein said bituminous layer has a surface facing away from said at least two film layers and a release liner is provided on said surface.

29. The combination according to claim 28, wherein said release liner comprises a release paper or a release film.

30. The combination according to claim 28, wherein the release liner is coated with silicone.

31. The combination according to claim 28, wherein the release liner has several sections.